

MiFluFocus
December 15, 2005
Weekly Influenza Surveillance

Michigan Disease Surveillance System: The situation with reported flu-like illness activity is similar to the previous week. With the exception of week-to-week variation, reported flu-like illness activity has remained at a relatively constant level for the past few weeks. The level of flu-like illness reports for the previous week is considerably decreased when compared to the corresponding time period last year.

Emergency Department Surveillance: Since peaking in late October, the overall trend in emergency department visits due to respiratory complaints has been decreasing. This week, it appears that this decrease has begun to level off. The number of respiratory visits is still similar to that seen in mid-September and is slightly decreased when compared to the same period from last year. Emergency Department visits due to constitutional complaints have remained constant throughout flu season. In previous weeks, this level was consistent with that reported from this period last year. Although the current level now appears to be decreased relative to that reported last year, this is likely due to a rise in flu-activity last year at this point, rather than a decrease in current flu-activity.

Over-the-Counter Product Surveillance: Continuing from last week, over-the-counter product sales do not show consistent increase in flu activity indicators. Antifever medications, chest rubs, pediatric cold relief, and cough/cold medications have been relatively constant over the past few weeks; adult cold relief sales have continued to decrease slightly; and electrolyte, nasal product, and thermometer sales have shown slight increases. As with previous weeks, adult cold relief sales are lower than those for the same period last year, while sales of all other categories of over-the-counter products are either similar to, or increased from, the same period last year.

Sentinel Surveillance (as of December 15, 2005): Influenza sentinel providers across the state are reporting 0.6% of office visits are due to influenza-like illness (ILI) for the week ending December 10, 2005. This level is relatively unchanged from last week, and represents a continued low level of activity overall. Sentinel Laboratories reported sporadic positive cases this week, similar to last week.

Community or Facility-Based Outbreaks (as of December 15, 2005): None reported.

MDCH Laboratory Surveillance (as of December 15, 2005): There have been no influenza cases confirmed at MDCH Laboratories in the last week. The MDCH laboratory previously reported two positive influenza cultures, one from SW Michigan that was confirmed as an A(H3N2) on 10/7 and one from SE Michigan that was confirmed as H3N2 on 12/8.

National: During week 48 (November 27 – December 3, 2005), influenza activity occurred at a low level in the United States. The proportion of patient visits to sentinel providers for influenza-like illness (ILI) and the proportion of deaths attributed to pneumonia and influenza were below baseline levels. One state reported local influenza activity; 29 states, New York City, and Puerto Rico reported sporadic influenza activity; and 20 states and the District of Columbia reported no influenza activity.

International Activity (WHO, December 15): Influenza activity remained low during Week 48.

MDCH reported **SPORADIC** activity to the CDC for this past week ending **12/10/2005**.

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Avian H5N1 Influenza Update

H5N1 influenza-avian: (December 15, OIE) Avian outbreaks have occurred in multiple countries, with recent documentation this last week of several outbreaks in the Ukraine (which is not present in graph below). See **Figure 1** for OIE totals.

H5N1 influenza-human: (December 14, WHO) A total of 185 WHO-confirmed cases of human H5N1 from 5 countries (see table below). There are no human cases documented outside of SE Asia (see **Table 1**).

WHO Pandemic Phase (December 15, 2005): 3

Figure 1. (downloaded 12/15/05, http://www.oie.int/downld/AVIAN_INFLUENZA/graph_HPAI_01122005.pdf)

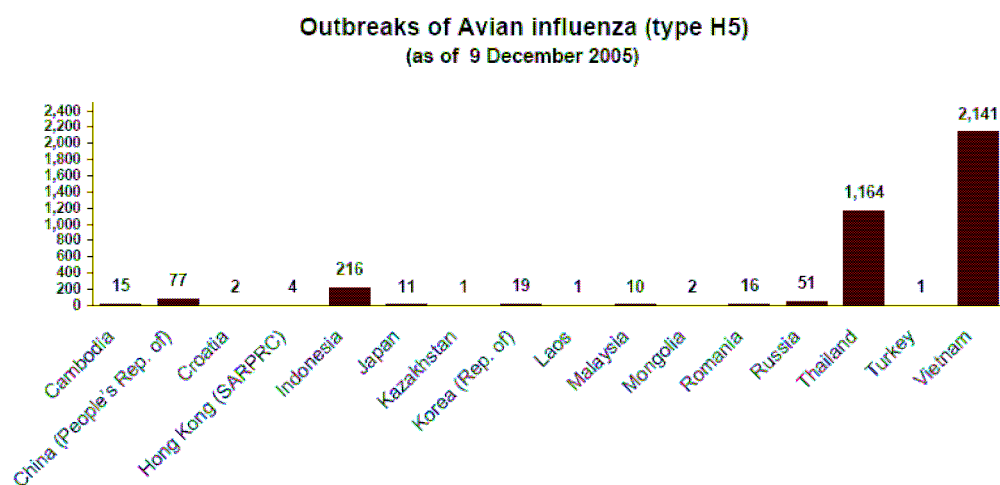


Table 1.

Date of onset	Cambodia		China		Indonesia		Thailand		Viet Nam		Total	
	cases	deaths	cases	deaths	cases	deaths	cases	deaths	cases	deaths	cases	deaths
2003	0	0	0	0	0	0	0	0	3	3	3	3
2004	0	0	0	0	0	0	17	12	29	20	46	32
2005	4	4	5	2	14	9	5	2	61	19	89	36
Total	4	4	5	2	14	9	22	14	93	42	138	71

Total number of cases includes number of deaths.
WHO reports only laboratory-confirmed cases.

Downloaded 12/15/05

http://www.who.int/csr/disease/avian_influenza/country/cases_table_2005_12_07/en/index.html

